

DATE: Thursday, October 17, 2002

Set Name Query**side by side****Hit Count Set Name****result set***DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=ADJ*

L6	L5 and cool	17	L6
L5	L4 and (heat or melt or fuse)	65	L5
L4	L3 and ((pipe near sleeve) or (tube near sleeve) or telescope or male or female)	153	L4
L3	l2 and (ring or collar or solder or braze or weld) near (slide or move or locate or location or position or place or placement or roll or push)	544	L3
L2	l1 and (ring or collar) near (bond or join or joint or melt or fuse or fusible or solder or braze or weld)	4543	L2
L1	(ring or collar) and (pipe or piping or tube or tubing or (male and female) or telescope or telescoping) and (bond or join or joint or melt or fuse or fusible or solder or braze or weld)	151298	L1

END OF SEARCH HISTORY



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L3: Entry 201 of 240

File: DWPI

Jul 1, 1992

DERWENT-ACC-NO: 1992-219414

DERWENT-WEEK: 199227

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TITLE: Joint between plastic and other pipes - screws other pipe on to brass cylinder which has outer seal and rib locked by end of plastic pipe

INVENTOR: DOLDER, R; ETTER, B

PATENT-ASSIGNEE:

ASSIGNEE

CODE

GEBERIT AG

GEBEN

PABRECO SA

PABRN

PRIORITY-DATA: 1990CH-0004068 (December 20, 1990)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
EP 493316 A1	July 1, 1992	G	006	F16L047/02

DESIGNATED-STATES: AT BE CH DE DK ES FR GB GR IT LI LU NL SE

CITED-DOCUMENTS:DE 1450408; EP 378406 ; FR 2282084 ; FR 2538876

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
EP 493316A1	December 6, 1991	1991EP-0810949	

INT-CL (IPC): F16L 47/02

ABSTRACTED-PUB-NO: EP 493316A

BASIC-ABSTRACT:

An arrangement for joining together a weldable plastic or composite pipe to another pipe uses a weld sleeve to join the weldable pipe and a fitting to join the other pipe. The sleeve and fitting are produced separately and bonded together; for this the fitting has seals at the end engaging the weld sleeve, these seals lie against the i.d. of the weldable pipe, and the weld sleeve is welded on its i.d. to the o.d. of the plastic or composite pipe.

ADVANTAGE - The arrangement is simple and inexpensive but is reliable.

In the example, a brass member is threaded on the o.d. and is fixed to a pipe by a cylindrical welding sleeve, the pipe being thermoplastic or a composite e.g. of inner crosslinked polyethylene plus Al core and thermoplastic outer layer. The welding sleeve has an embedded resistance wire; the end has an inturned flange which meets an annular rib on the member.

The member is thus firmly held in position and has its inner end inside the pipe. An annular groove holds a sealing ring to provide a liq.-tight seal. The welding sleeve thus provides the bond between member and pipe, whilst the member ensures a tight joint. A second pipe is screwed on to the threaded fitting

CHOSEN-DRAWING: Dwg.0/4

TITLE-TERMS: JOINT PLASTIC PIPE SCREW PIPE BRASS CYLINDER OUTER SEAL RIB LOCK END PLASTIC PIPE

DERWENT-CLASS: A35 A88 Q67

CPI-CODES: A12-H02C;

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:

Key Serials: 0231 0239 2020 2454 2534 2728 2830 2831 2833 2834 3254

Multipunch Codes: 014 04- 041 046 047 231 454 47& 473 477 489 56& 597 600 674 675 676 688

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1992-099284

Non-CPI Secondary Accession Numbers: N1992-166630